Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/05/2020 09:26 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124203	-1	3.36	124284	3.35
Blue	F	SSC	125000	123829	-1	1.84	124575	1.81
Blue	E	FITC	15892	15401	-4	2.87	337	21.35
Blue	D	PE	29999	29318	-3	2.05	637	15.83
Blue	B	PerCP-Cy5-5	43732	43206	-2	3.78	1150	21.49
Blue	A	PE-Cy7	30845	30525	-2	6.30	582	43.17
Red	C	APC	46112	44867	-3	2.48	1585	12.38
Red	A	APC-Cy7	30458	29549	-3	2.40	781	12.34
Violet	B	V450	7918	7498	-6	4.35	436	13.28
Violet	A	V500	32171	30754	-5	4.10	724	10.43

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16392	17.66	653	32	N/A	N/A	Pass
Blue	F	SSC	57197	1.31	583	24	N/A	N/A	Pass
Blue	E	FITC	59	68.96	553	10	0.0172	134	Pass
Blue	D	PE	133	50.96	559	11	0.1263	200	Pass
Blue	B	PerCP-Cy5-5	216	51.32	666	10	0.0081	37	Pass
Blue	A	PE-Cy7	108	108.34	711	13	0.0098	20	Pass
Red	C	APC	380	25.78	589	5	0.0233	149	Pass
Red	A	APC-Cy7	172	28.43	559	3	0.0050	448	Pass
Violet	B	V450	67	59.78	457	-1	0.0483	2123	Pass
Violet	A	V500	108	32.62	473	-1	0.0227	614	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-33.71	-32.65	1.08
Blue	20.37	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.39
Red	16.34	13.60 - 20.40	N/A	N/A	29.29	30.28	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 9721

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments